

Level 1 Validation Certificate



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 8/15/2019

Water Supplier

Supplier Name: Joshua Basin Water District

Supplier Participants: Anne Roman, Randy Mayes

Key Audit Metrics

Data Validity Score:	74
ILI:	0.8
Real Loss:	564 gal / mile / day
Apparent Loss:	3.8 gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	14.4%

Validator

Validator: Kris Williams,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from
the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:

Joshua Bsin Water District

Water Supplier Public Water System ID:

3610025

Water Audit Period:

01/01/18 – 12/31/18

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

In 2018, the District budgeted for and began the early phases of a proactive multi-year residential meter replacement program intended to replace all residential meters. As of 2019, the program is fully underway. Also in 2018, the District committed to a multi-year Capital Improvement Replacement Program for in-house pipeline replacement. A \$3 million dollar loan was secured, purchases of large equipment began, and, in 2019, a specialized crew was hired for this purpose. The first project, Saddleback, will replace approximately 25,000 linear feet of pipeline in fiscal year 2019/20. In terms of data management, the District acquired new CMMS software, Geoviewer, and the data transition to this software provided additional confirmation of GIS information such as length of mains. In addition, the Billing Department continues to hone in on service connection data.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

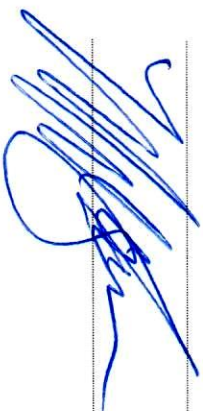
Executive Name (print):

Mark Ban

Executive Position:

Interim General Manager

Signature:



Date

08/20/2019